



Monocrystalline Solar Module

NMS100W



36 CELL

Mono Crystalline Module

14.35%

Maximum Efficiency

100W

Power Output Range

0/+5%

Positive Power Tolerance



Function Features



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



High Efficiency

High module conversion efficiency (up to 14.35%), through innovative manufacturing technology.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Higher Quality Assurance

100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.



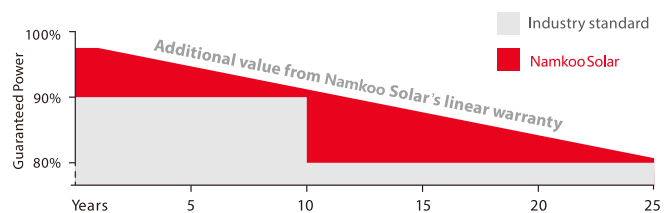
Maximized Energy Harvest

Impedance matching technology eliminates mismatch losses, more power from each module bin.

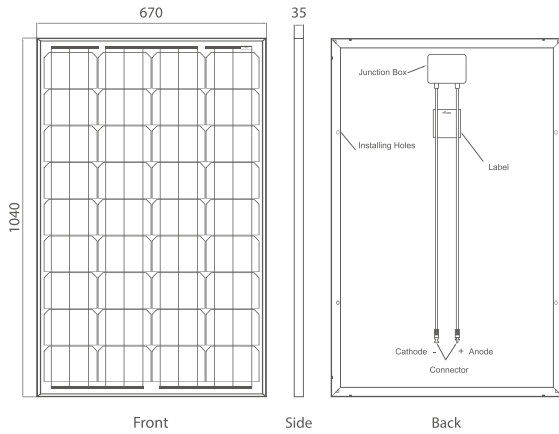
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

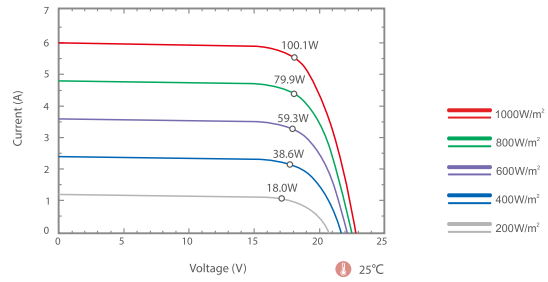
25-Year Linear Power Warranty



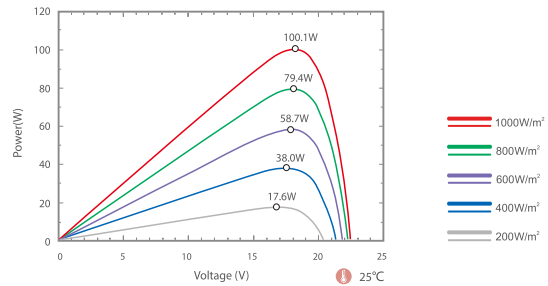
Engineering Drawings



Current-Voltage Curves



Power-Voltage Curves



Packaging Configuration

(Two boxes=One pallet)

30pcs/box, 60pcs/pallet, 1628pcs/40' GP Container

Technical Specifications

| Model | NMS100W | |
|--|---|-------------|
| Electrical Characteristics | | |
| | STC | NOCT |
| Maximum Power (Pmax) | 100Wp | 73Wp |
| Maximum Power Voltage (Vmpp) | 18.0V | 16.8V |
| Maximum Power Current (Impp) | 5.56A | 4.36A |
| Open Circuit Voltage (Voc) | 22.5V | 21.2V |
| Short Circuit Current (Isc) | 6.00A | 4.84A |
| Power Tolerance(Positive) | 5% | |
| Module Efficiency STC | 14.35% | |
| Operating Temperature Range | -40°C to +85°C | |
| Maximum System Voltage | 1000V | |
| Series Fuse Rating | 15A | |
| Temperature Coefficient of Pmax | -0.44 %/°C | |
| Temperature Coefficient of Voc | -0.33 %/°C | |
| Temperature Coefficient of Isc | 0.055 %/°C | |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C | |
| Mechanical Characteristics | | |
| Cell Type | Monocrystalline 156x156 mm | |
| Cell Number | 36 (4x9) | |
| Dimensions (mm) | 670x1040x35 | |
| Weight(Kgs) | 8.25 | |
| Front Glass | 3.2 mm, High Transmission, Low Iron, Tempered Glass | |
| Frame Type | Anodized Aluminium Alloy | |
| Junction Box Protection Class | IP 67 Rated | |
| Connector Type | MC4 | |
| Output Cables | 2.5 mm ² , Length:900 mm | |

STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Remarks: Products specifications are subject to change without notice.